

## About us

Telide Shenzhen High Pressure Fluid Systems Co., Ltd. was established in 2001. Taken into consideration of its previous experience in the fluid control fields, its history can be traced back to more than 20 years ago. For many past years, Telide always focus on the development of the device both on liquid and gas and has accumulated rich experience on control and measure of the pressure, temperature and flow of various types of fluids. In the meantime, Telide is also good at designing and developing press machine, clamping and turn-over fixture. Thousands of devices has been supplied for aviation, oil, gas, nuclear power station and nominal industry. Many technical innovations from Telide meet the requirement of the development of the customers.

On the other hand, Telide as the distributors of first rate companies in high pressure fluid components in the world has been developing the win-to-win cooperation. Products cover Swiss high pressure valves and fitting products, American air driven pumps and boosters, Danish oil pressure intensifiers, etc.

Telide always keeps the Shenzhen special economic zone's spirits of "pioneering innovation", our commitment to meet our customers' diverse needs will be insisted on forever. We sincerely look forward to cooperating with you.



## Brief Introduction to Power Unit

Choose a power unit from Telide for portable and stationary applications. All units are assembled and ready to use, saving you the time and money you would spend selecting, assembling and testing other supply systems. The 20 years experience of Telide can be usable.

## Contents

Air Driven Power Units.....	1
Air Driven Gas Booster Power Unit.....	4
Hydraulic Power Units.....	5
Ultra-high Pressure Hand Pump System.....	5





### HSU-1100

- Standard unit for general use.
- Components include S-216-( ) pump(ten ratios), air filter, pressure regulator and lubricator, air Shut-off valve, muffler, liquid bleed valve, air pressure gauge, liquid-filled pressure gauge with quick disconnect fitting.
- Available pressure ranges from 500 to 33,500 psi.
- Steel powder coated (or stainless steel) base has four mounting holes.
- Dimensions: 22 in. wide, 14 in. depth, 11 in. height. Weight 40 lbs.



### HSU-1101

- Compact power unit has same components as HSU-1100.
- With the addition of a three gallon(11.4 liters) stainless steel reservoir.
- Reservoir is fitted with filter-breather-screen assembly, suction filter inline to pump, and sight glass to show liquid fill point.
- Designed to improve suction capability of higher ratio pumps and eliminate dry start-ups.



### HSU-1200

- Portable unit with sturdy tubular frame.
- Panel mounted air gauge, 4" high pressure gauge, regulator, air shut-off valve, bleed valve.
- Three gallon stainless steel reservoir, high pressure output in the top or side plate.



### HSU-1300

- Heavy duty tubular frame, all stainless steel for general use.
- All stainless steel valves, fitting, tubing.
- Manifold mounted 4" filled SS gauge, regulator, air gauge, regulator and high pressure drain valve.

(This unit is shown with two (optional) HP outlet gauges for redundancy)



### HSU-1300 With Recorder

- Portable power unit has same components as HSU-1300.
- With the addition of pressure sensor, one paperless recorder and mini printer, it can record and print pressure curve.



### HSU-1500

- Air-operated piston pump mounted on tubular frame with wheels for extreme portability.
- Hydro gauges, valve, pump regulator all panel-mounted.
- Output pressure adjusted by setting air pressure regulator to pump.
- Pump automatically shuts off at set pressure;re-start when pressure drops.
- All external connections are located at the rear of the unit.
- Closed cabinet style available ,ideal for Lab /clean room.
- Stainless steel turbular available.
- Dimensions: 16 in. wide, 16 in. depth, 36 in. height. Weight 58 lbs.



### HSU-1400 With Paperless Recorder

- Air-operated piston pump mounted on closed cabinet frame with four wheels for extreme portability.
- Has same components as HSU-1500.
- With the addition of pressure sensor ,one paperless recorder and mini printer. it can record and print pressure curve.
- Dual pumps option for high pressure and high flow.
- Stainless steel frame available.



### HSU-1400 With Pressure Chart Recorder

- Air-operated piston pump mounted on closed cabinet frame with four wheels for extreme portability.
- With the addition of chart recorder,battery or mechanical drive.
- Dual pumps option for high pressure and high flow.
- Stainless steel frame available.



### HSU-1400-JB-100HO/100HO Skid Mounted Power Unit

- Skid mounted closed stainless steel frame,DNV certification.
- Combined components include: air driven pump, air filter, pressure regulator, lubricator, needle valve, oil accumulator,reservoir.
- Convenient for movement of the whole set.
- Dimensions: 31 in. wide, 31 in. depth,47 in. height. Weight 243 lbs.
- Applied for operating the actuator of valve on/off shore.
- Max.output oil pressure 9000 psi.



### HSU-GJC(High Flow Hydrostatic Tester)

- Applied for testing the high flow tubing , vessels and other components with high set pressure up to 1380bar.
- Three magnification ratios: 45:1/ 65:1/ 200:1.
- Widely services for ships, oil field etc.
- Panel mounted valves, regulator and gauges.
- All the inlets and outlets located at the rear.



### HPU-1301 Programmed Hydrostatic Test

- Carry out pressure and bursting pressure test.
- Two methods optional: manual pressure or programmed pressure test.
- Set up multilevel test pressure and time by program.
- Pressure rising rate adjustable.
- Realtime pressure curve on computer screen and print test result.



### HSU-2000 Hose Test Bench

- Hose size:1/4" to 2".
- Output ports on manifold according to requirement.
- Connection ports according to user need.
- Second pump for low pressure and low pressure gauge in option.
- Test medium,water-oil emulsion or filtered water only 3 bar inlet pressure needed.
- Dimensions: 78 in. wide, 32 in. depth, 39 in. height. Weight:600 lbs.



### HSU-2001 Hydrostatic Test For The Aero Engine

- Max. driving air pressure: 100 psi; Max. output fluid pressure:3625 psi;
- Test medium: water (with 5% water inhibitor), jet fuel A, lublication oil,compressed air;
- With four test channels seperately
- Air driven pump,regulator,gauges panel mounted.
- Open the test cover by pneumatic operation with safety lock function;
- Dimensions: 106in. wide, 35 in. depth, 63 in. height. Weight:660 lbs.



### HPB-1100-034P4B034 Air Driven Gas Booster Power Unit

- Components include P4B booster, filter, pressure regulating valve, shut-off valve, unloading valve, pressure gauge, air hose, inflatable quick female connector, etc.
- Standard plate type power unit with dual head booster. Compact and easy to control.
- Nitrogen gas spring charging specific unit. Mounted with a 3m long charging hose. Outlet of hose has a shut-off valve, unloading valve. Quick female connector which is connected with nitrogen gas spring can control nitrogen gas charging precisely.
- Max. Driving air pressure 6.9 bar, max. Output air pressure 265 bar.
- Other options: HPB-1100-P4B034 (single head booster, 235 bar), high pressure regulating valve, high pressure overflow valve, portable box.
- Dimensions(L×W×H): 25×10×12 inch. Weight:40 lbs.



### S-486-JN-100 Air Driven Gas Booster Power Unit

- Components include S-86-JN booster, air filter, pressure regulating valve, shut-off valve, unloading valve, high pressure gauge, etc.
- Stainless steel case cover to prevent dust and damaging when transport. Compact and easy to control.
- If driving air pressure 6.9 bar, output air pressure 710 bar. Medium: water.
- Dimensions(L×W×H): 23×13×12 inch. Weight:46 lbs.



### HPB-1300-S010P4BS034 Air Driven Gas Booster Power Unit

- Tubular frame unit.
- Components include booster, air filter, pressure regulating valve, high pressure needle valve, pressure gauge, explosion-proof solenoid valve, etc.
- Hydrogen pressurization specific unit. Outlet pressure range of booster can be set. Booster sets up automatically when outlet pressure reaches lower value, automatically stop when outlet pressure reach upper value.
- Max. Driving air pressure 6.9 bar, max. Output air pressure 264 bar.
- Dimensions(L×W×H): 30×19×17 inch. Weight:94 lbs.



### TPU-SW004 Air Driven Gas Booster Power Unit

- Square aluminum alloy frame. Rear panel can be opened. Other panels can be disassembled.
- Mounted with truckles on the bottom.
- Equipped with USA Sprague Pruducts air driven booster, high pressure tubing and valves from NOVA Swiss, gas cylinder, high pressure regulating valve, filter, pressure regulating valve, unloading valve, magnetic valve, etc.
- Specific equipment for physical foaming cable extruder. Output pressure regulated by high pressure regulating valve. Movement of booster regulated by frequency.
- Outlet pressure can be set. With over pressure protection and alarm.
- Max driving air pressure 6.9 bar, max output air pressure 600 bar.
- Other options: gas injection needle, quick plug, 1/8 high pressure tube.
- Dimensions(L×W×H): 35×22×42 inch. Weight:265 lbs.



## Hydraulic Power Units

Adding a oil pressure intensifier to power pack provides a high-pressure outlet for operating tools, cylinder test, etc. Power packs equipped with oil intensifiers are capable of supplying working pressures in the range 300 bar/4,350 psi to 3,000 bar/43,500 psi, depending on the inlet pressure and choice of intensification ratio.



### MPH140-L18 Proportional control

- Dimensions(L×W×H): 39x28x35 inch. Weight: approx. 573 lbs.
- Components include electric oil pump, hydraulic intensifier and high pressure needle valve, etc.
- Ultra-high pressure obtained and adjusted through intensifier by regulating proportional valve. It has features of quick response, high accuracy and long life. Manual and electric control, unloading and intelligent alarm functions.
- Max. output pressure 1400 bar, power voltage AC220V, medium: water-based hydraulic fluid or mineral hydraulic oil
- Other options: other intensification ratio, power voltage AC380V.



### MPH200 Power Packs for tools

- Dimensions(L×W×H): 17x16x18 inch. Weight: approx.132 lbs.
- Components include oil pump, hydraulic intensifier and high pressure needle valve, etc.
- Max. output pressure 2000 bar, power voltage 220V, medium: ISO VG 46.
- Other options: other intensification ratio, optional power voltage AC380V.
- For operating cable tools, torque wrenches, bolt tensioning, punching tools and more. Power packs equipped with oil intensifiers are capable of supplying working pressures in the range 300 bar/4,350 psi to 3,000 bar/43,500 psi, depending on the inlet pressure and choice of intensification ratio.
- It can supply continuous high pressure oil for bolt tensioning, hydraulic puller, etc.



### MPT680 Large flow high pressure power unit

- Components include oil pump, intensifier and high pressure needle valve, etc.
- Mainly used for ultra-high pressure test of cylinder.
- 2 high pressure quick connection ports and a low pressure quick connector can meet test pieces with different volumes.
- Max. output pressure 68MPa, power voltage AC380V, 15kw, oil reservoir 300 liters.
- Other options: other intensification ratio.



### TNV-1100 Ultra-high Pressure Hand Pump System

- Non-rotating spindle for longer packing life.
- Easy retightening of the seal.
- The fine pitch thread on the plunger allows a precise adjustment of the required pressure.
- Recommended for all common high pressure fluids even of low viscosity.
- Combined components include: screw type pump, manual pre-filling pump, non rotation valve.
- 2000 bar, 4000bar and 7000bar system available.
- Dimensions(L×W×H):106x24x24 inch. Weight:66 lbs.